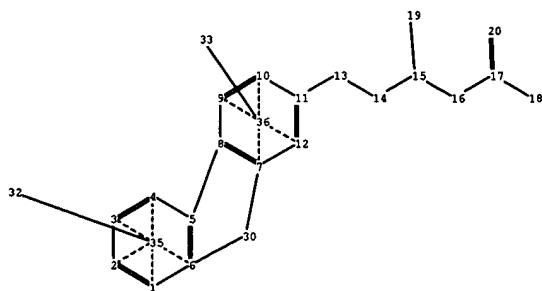


$\text{O}^{\theta 1}$
 $\text{S}^{\theta 2}$
 $\text{NH}^{\theta 3}$
 $\text{CH}_2^{\theta 4}$



$\text{O}^{\theta 1}$
 $\text{S}^{\theta 2}$
 $\text{NH}^{\theta 3}$
 $\text{CH}_2^{\theta 4}$

chain nodes :

13 14 15 16 17 18 19 20 21 22 23 24 32 33

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 30

chain bonds :

11-13 13-14 14-15 15-16 15-19 16-17 17-18 17-20

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-8 6-30 7-8 7-12 7-30 8-9 9-10 10-11 11-12

exact/norm bonds :

5-8 6-30 7-30 11-13 13-14 14-15 15-16 15-19 16-17

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 17-18 17-20

G1:O,S,CH₂,NH,[*1],[*2],[*3],[*4]

G2:OH,SH,CN,NO₂,X,[*1],[*2],[*3],[*4]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom
 13:CLASS14:CLASS15:CLASS16:CLASS17:CLASS18:CLASS19:CLASS20:CLASS21:CLASS22:CLASS
 23:CLASS24:CLASS30:Atom 32:CLASS33:CLASS35:Atom 36:Atom

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTAMLL1621

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * * * * * * * Welcome to STN International * * * * * * * * * * * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 4 AUG 28 ADISCTI Reloaded and Enhanced
NEWS 5 AUG 30 CA(SM)/CAplus(SM) Austrian patent law changes
NEWS 6 SEP 11 CA/CAplus enhanced with more pre-1907 records
NEWS 7 SEP 21 CA/CAplus fields enhanced with simultaneous left and right truncation
NEWS 8 SEP 25 CA(SM)/CAplus(SM) display of CA Lexicon enhanced
NEWS 9 SEP 25 CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS 10 SEP 25 CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
NEWS 11 SEP 28 CEABA-VTB classification code fields reloaded with new classification scheme
NEWS 12 OCT 18 The Derwent World Patents Index suite of databases on STN will be enhanced and reloaded on October 22, 2006

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

| | |
|------------|---|
| NEWS HOURS | STN Operating Hours Plus Help Desk Availability |
| NEWS LOGIN | Welcome Banner and News Items |
| NEWS IPC8 | For general information regarding STN implementation of IPC 8 |
| NEWS X25 | X.25 communication option no longer available |

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=> file req

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

10/18/06

3

FULL ESTIMATED COST

| ENTRY | SESSION |
|-------|---------|
| 0.21 | 0.21 |

FILE 'REGISTRY' ENTERED AT 17:56:27 ON 18 OCT 2006
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 17 OCT 2006 HIGHEST RN 910609-94-8
DICTIONARY FILE UPDATES: 17 OCT 2006 HIGHEST RN 910609-94-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>



chain nodes :
13 14 15 16 17 18 19 20 21 22 23 24 32 33
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 30
chain bonds :
11-13 13-14 14-15 15-16 15-19 16-17 17-18 17-20
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-8 6-30 7-8 7-12 7-30 8-9 9-10 10-11 11-12
exact/norm bonds :
5-8 6-30 7-30 11-13 13-14 14-15 15-16 15-19 16-17
normalized bonds :

10/18/06

4

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 17-18 17-20

G1:O,S,CH2,NH,[*1],[*2],[*3],[*4]

G2:OH,SH,CN,NO2,X,[*1],[*2],[*3],[*4]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS
21:CLASS 22:CLASS 23:CLASS 24:CLASS 30:Atom 32:CLASS 33:CLASS 35:Atom 36:Atom

L1 STRUCTURE uploaded

=> d 11
L1 HAS NO ANSWERS
L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s 11 sss sam
SAMPLE SEARCH INITIATED 17:57:11 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 53 TO ITERATE

100.0% PROCESSED 53 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 624 TO 1496
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=>

=> s 11 sss full
FULL SEARCH INITIATED 17:57:28 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 877 TO ITERATE

100.0% PROCESSED 877 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 167.38 167.59

FILE 'CAPLUS' ENTERED AT 17:57:36 ON 18 OCT 2006

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FILE COVERS 1907 - 18 Oct 2006 VOL 145 ISS 17
FILE LAST UPDATED: 17 Oct 2006 (20061017/ED)

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They are available for your review at:

<http://www.cas.org/infopolicy.html>

```
=> s 13/prep
      0 L3
      3542832 PREP/RL
L4          0 L3/PREP
              (L3 (L) PREP/RL)
```

```
=> s 13/cn
REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.
```

```
'CN' IS NOT A VALID CROSSOVER QUALIFIER FOR L3
=>
=> s 13/ci
REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.
```

```
'CI' IS NOT A VALID CROSSOVER QUALIFIER FOR L3
=>
=> s 13/proc
      0 L3
      3989589 PROC/RL
L5          0 L3/PROC
              (L3 (L) PROC/RL)
```

10/18/06

6

```
=> s l3/ract
      0 L3
      2905387 RACT/RL
L6      0 L3/RACT
          (L3 (L) RACT/RL)

=> s l3/uses
      0 L3
      6242506 USES/RL
L7      0 L3/USES
          (L3 (L) USES/RL)

=> s l3/anst
      0 L3
      1105987 ANST/RL
L8      0 L3/ANST
          (L3 (L) ANST/RL)

=> s l3/anst
      0 L3
      1105987 ANST/RL
L9      0 L3/ANST
          (L3 (L) ANST/RL)

=> s l3/biol
      0 L3
      6646592 BIOL/RL
L10     0 L3/BIOL
          (L3 (L) BIOL/RL)

=> d his

(FILE 'HOME' ENTERED AT 17:56:17 ON 18 OCT 2006)

FILE 'REGISTRY' ENTERED AT 17:56:27 ON 18 OCT 2006
L1      STRUCTURE uploaded
L2      0 S L1 SSS SAM
L3      0 S L1 SSS FULL

FILE 'CAPPLUS' ENTERED AT 17:57:36 ON 18 OCT 2006
L4      0 S L3/PREP
          S L3/CN

FILE 'REGISTRY' ENTERED AT 17:58:02 ON 18 OCT 2006

FILE 'CAPPLUS' ENTERED AT 17:58:02 ON 18 OCT 2006
          S L3/CI

FILE 'REGISTRY' ENTERED AT 17:58:12 ON 18 OCT 2006

FILE 'CAPPLUS' ENTERED AT 17:58:12 ON 18 OCT 2006
L5      0 S L3/PROC
L6      0 S L3/RACT
L7      0 S L3/USES
L8      0 S L3/ANST
L9      0 S L3/ANST
L10     0 S L3/BIOL
```

10/18/06

7

```
=> s 13/form
      0 L3
      862902 FORM/RL
L11      0 L3/FORM
          (L3 (L) FORM/RL)
```

```
=> save 11-111
ENTER NAME OR (END) :mmp600c11/1
L# LIST L1-L11 HAS BEEN SAVED AS 'MMP600CL1/L'
```

```
=> log y
COST IN U.S. DOLLARS           SINCE FILE      TOTAL
                                ENTRY             SESSION
FULL ESTIMATED COST           27.91            199.25
```

STN INTERNATIONAL LOGOFF AT 18:16:39 ON 18 OCT 2006